

Fig. 1

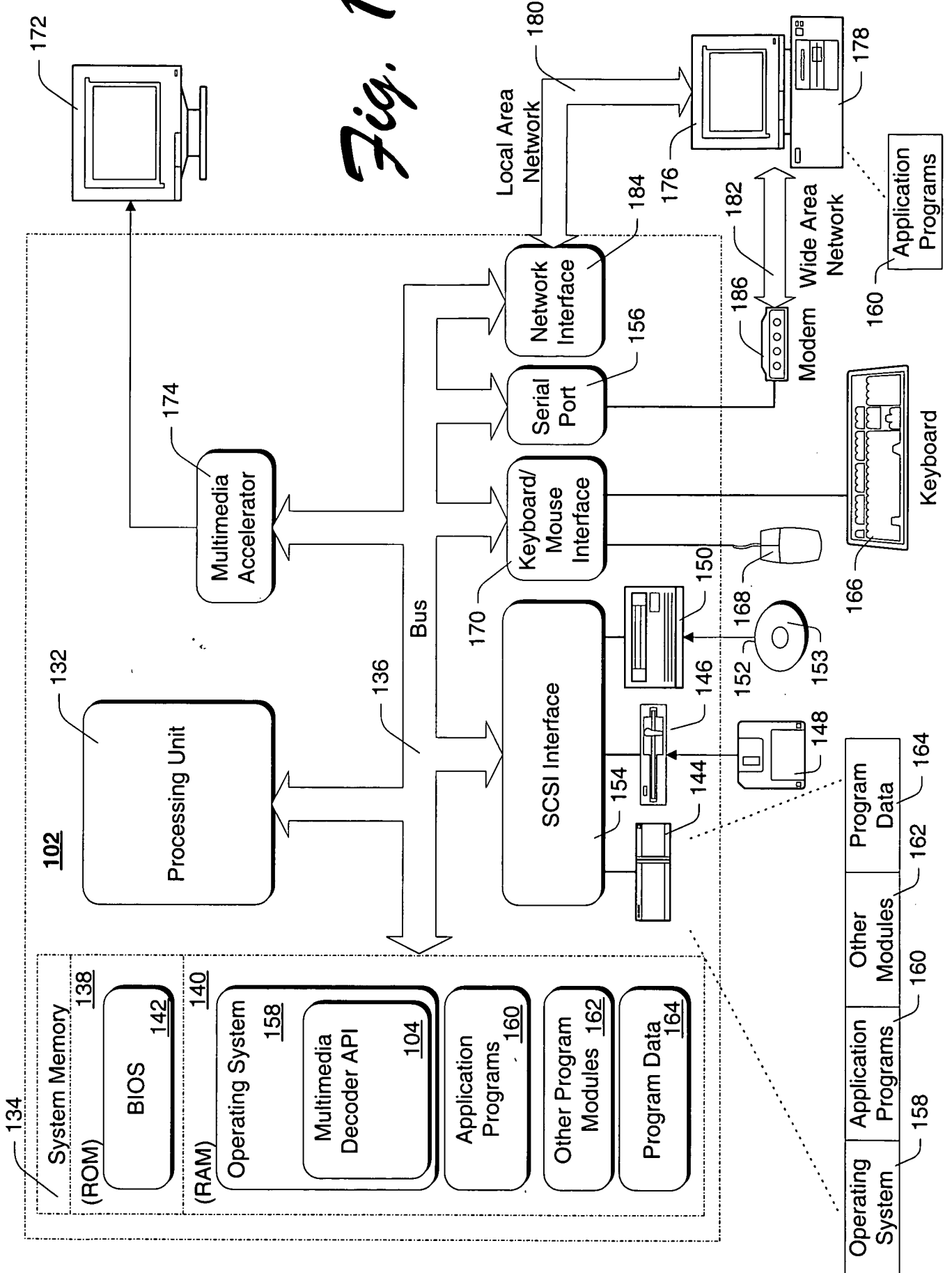


Fig. 2

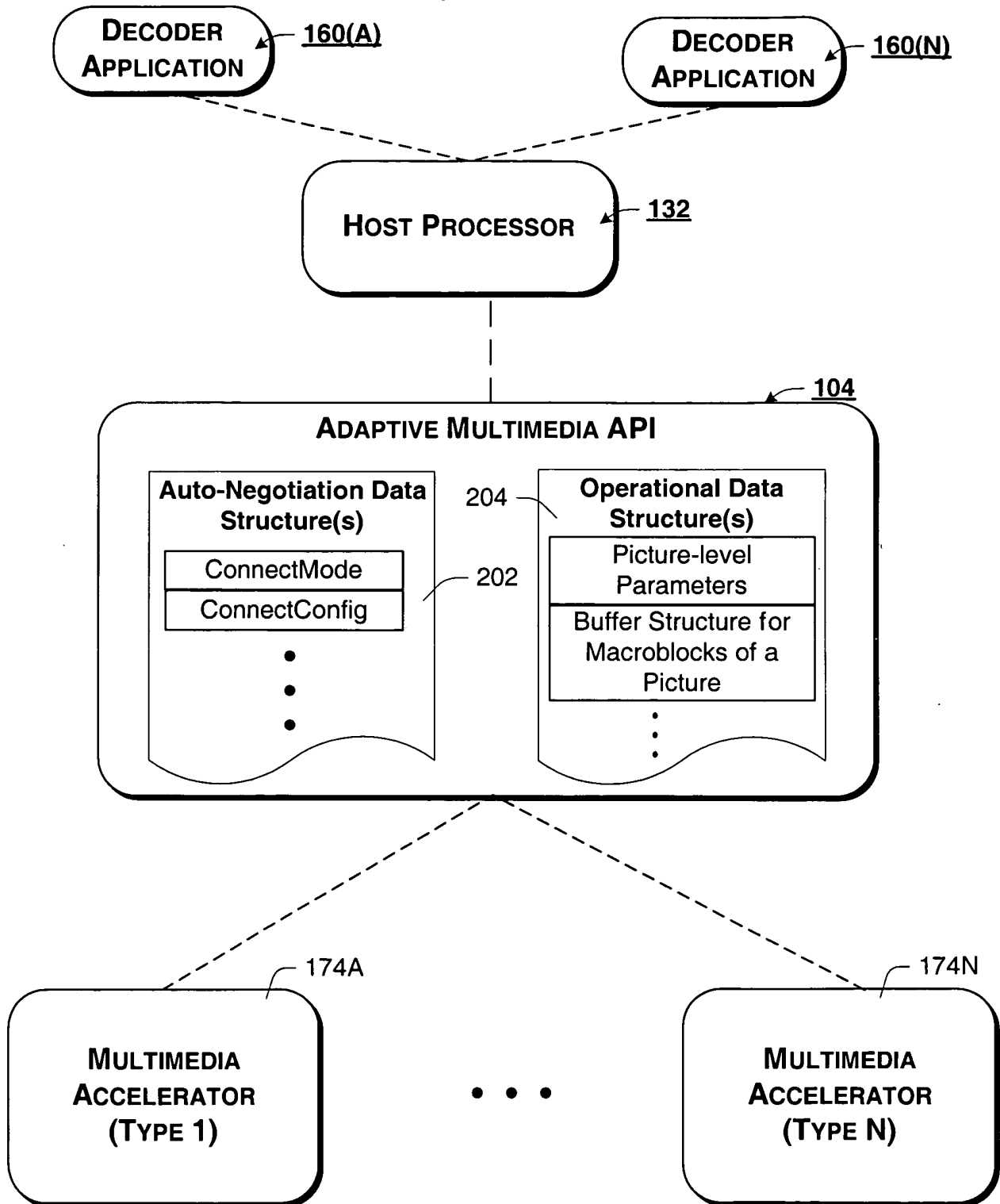


FIG. 2 is a block diagram of a multimedia system architecture.

Fig. 3

300

MB Address	RD Pointer	Control Operation
...		

Fig. 4

400

— 402

Residual Difference Data
Data for MB 3
Data for MB 1
Data for MB 2
...

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graph TD
    START([START]) --> 502[ISSUE CONFIGURATION INFORMATION COMMAND TO ACCELERATOR(S) DEFINING A SELECTED DECODING CONFIGURATION]
    502 --> 504{ACCEPTED?}
    504 --> 506[SELECT NEW DECODING CONFIGURATION]
    504 --> 508[SELECT DATA STRUCTURE(S) APPROPRIATE TO THE NEGOTIATED DECODING CONFIGURATION]
    506 --> 502
    508 --> 510[FACILITATE MULTIMEDIA DECODING UTILIZING OPERATIONAL DATA STRUCTURE(S) IN ACCORDANCE WITH AGREED UPON FORMAT]
    510 --> END([END])

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[illegible]

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graph TD; 508([FROM 508]) --> 602[CLIPPING EACH RECONSTRUCTED COEFFICIENT VALUE IN THE COEFFICIENT BLOCK TO THE ALLOWABLE RANGE]; 602 --> 604[ADDING THE SATURATED VALUES OF ALL COEFFICIENTS IN THE CROBLOCK TO PERFORM ROUNDOFF CONTROL, AS NECESSARY]; 604 --> 606[FORMING UNITARY SEPARABLE TRANSFORMATION]; 606 --> 608[ADDING THE SPATIAL-DOMAIN PREDICTION FOR NON-INTRA CROBLOCKS TO PERFORM PICTURE RECONSTRUCTION]; 608 --> 610[CLIPPING THE PICTURE RECONSTRUCTION TO AN APPROPRIATE RANGE TO STORE AS FINAL RESULTING PICTURE SAMPLE VALUES.];
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600

FROM 508

CLIPPING EACH RECONSTRUCTED COEFFICIENT VALUE IN THE COEFFICIENT BLOCK TO THE ALLOWABLE RANGE

602

604

ADDING THE SATURATED VALUES OF ALL COEFFICIENTS IN THE CROBLOCK TO PERFORM ROUNDOFF CONTROL, AS NECESSARY

606

FORMING UNITARY SEPARABLE TRANSFORMATION

608

ADDING THE SPATIAL-DOMAIN PREDICTION FOR NON-INTRA CROBLOCKS TO PERFORM PICTURE RECONSTRUCTION

610

CLIPPING THE PICTURE RECONSTRUCTION TO AN APPROPRIATE RANGE TO STORE AS FINAL RESULTING PICTURE SAMPLE VALUES.

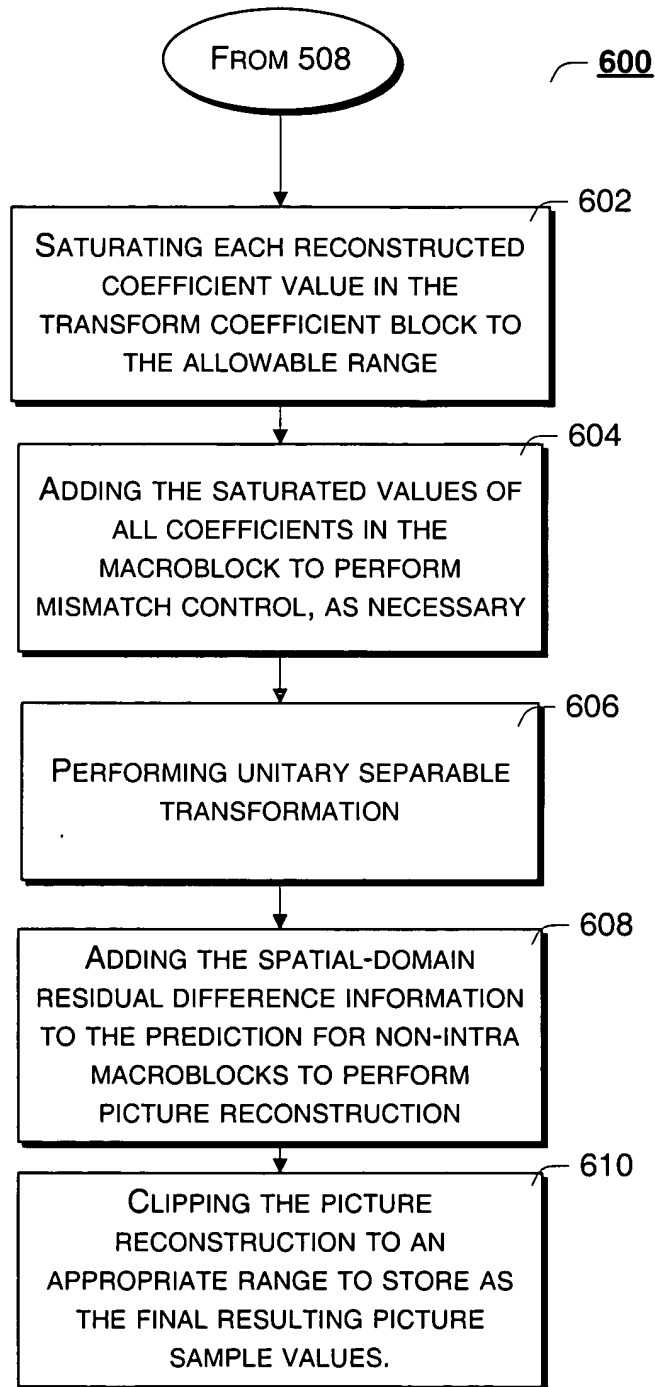


Fig. 7

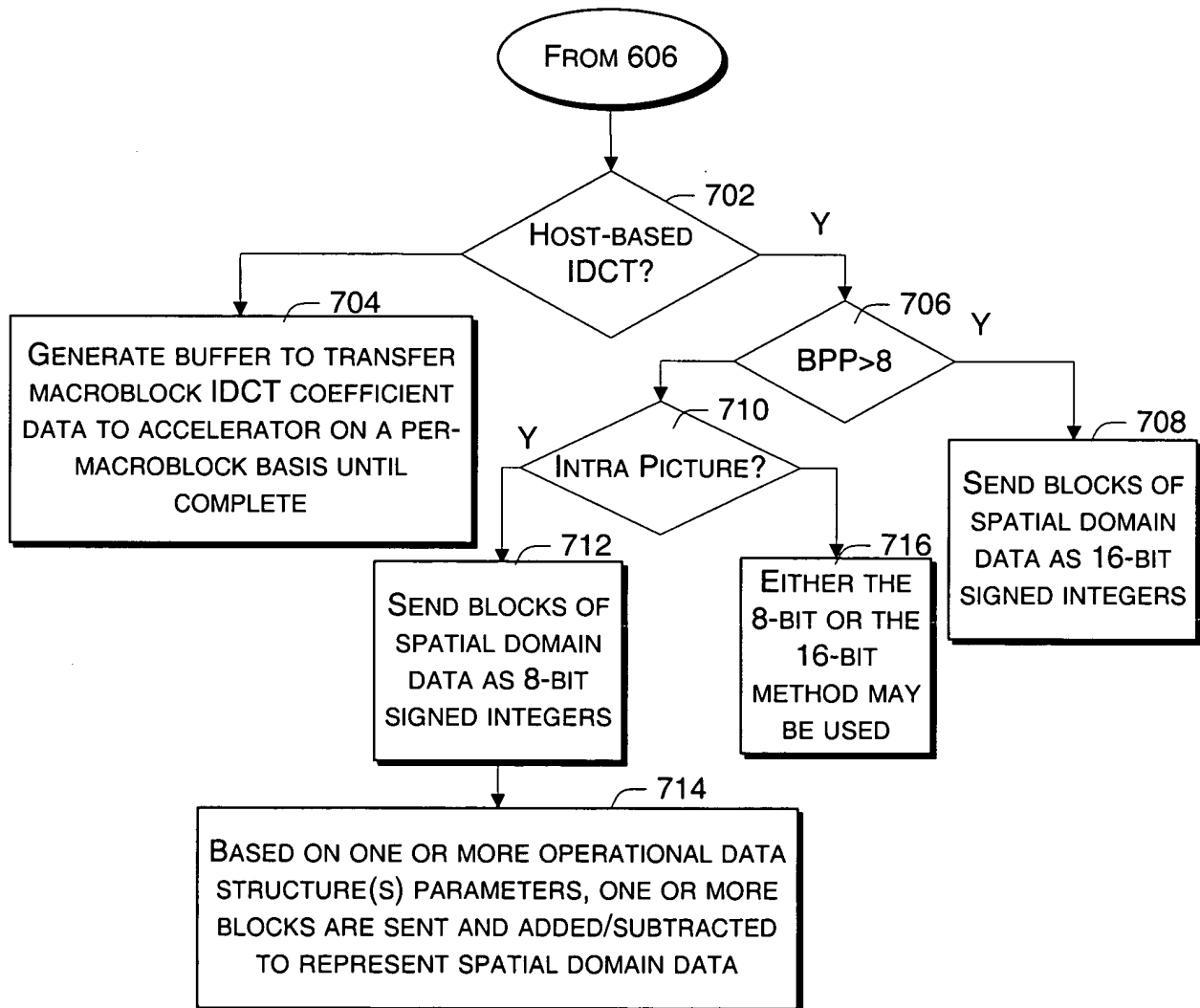
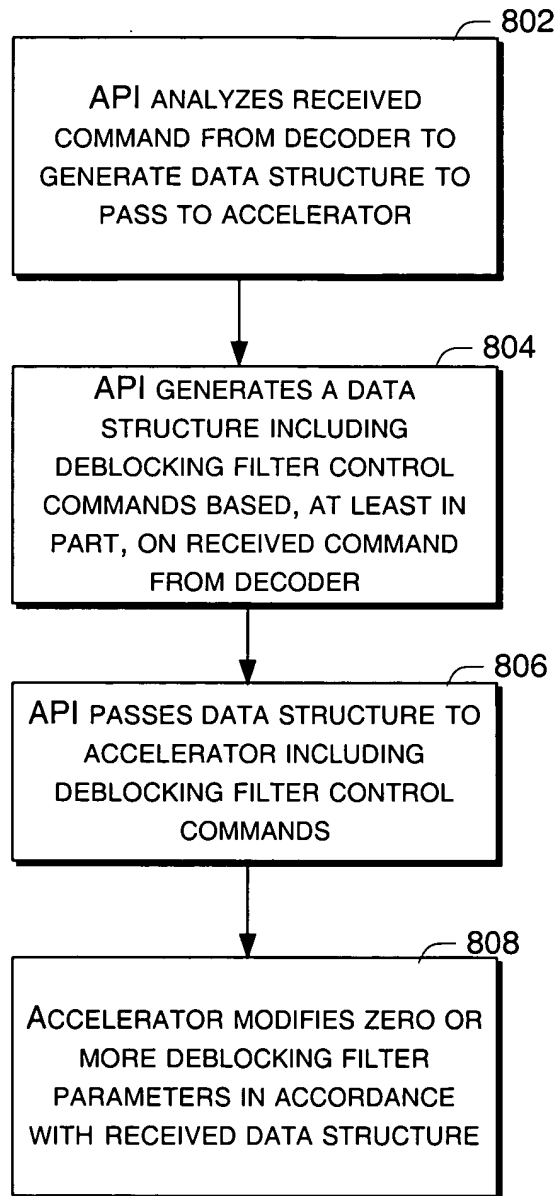
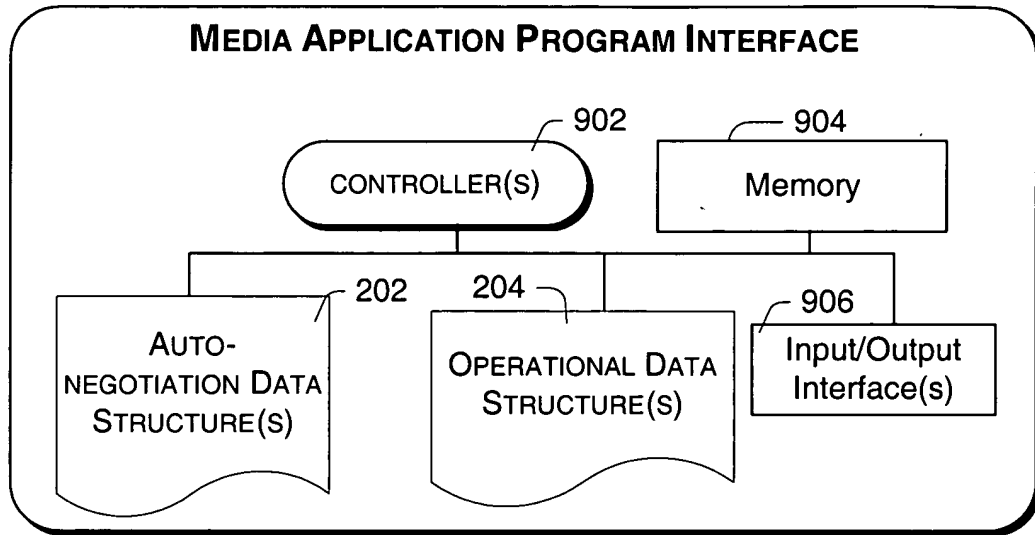


Fig. 8

*Fig. 9*900 →*Fig. 10*→ 1000